**Year 4 Knowledge Organiser – Autumn term 2**

**Writing**

We will be using the book ‘Everest’ to create a persuasive advert for why people should climb the highest mountain in the world.

We will also be studying poetry and a festive writing project. Whilst writing in these different styles, we will be focusing on the use of exciting vocabulary and editing our work to improve it.

**Maths –**

Add and subtract using formal written methods

Add and subtract using an efficient method

Compare and order 4 digit numbers

Introduce negative numbers

Use written methods for multiplication and division

**By the end of Year 4 it is expected that children will know all multiplication facts by heart. Please encourage your child to use Times Tables Rockstars as often as possible**

**Grammar**

To recognise subordinating and coordinating conjunctions in their writing

Inverted commas and associated punctuation

To ensure their writing makes sense

To use nouns and pronouns appropriately

To use inverted commas

**Reading**

To read a wide range of poetry, non-fiction and fiction texts

To understand how language and structure can contribute to meaning

To study the features of a text with the purpose to use in our own writing

**Spelling**

To spell the words from the year 3 and 4 list

To use the first 2 or 3 letters in a word to check its spelling in a dictionary

To recognise and spell homophones

To spell words with a prefix or a suffix

To use s, es and ies for plurals

**Spanish**

Name and describe people, a place and an object

Give response using a short phrase

Write phrases from memory

Write 2-3 short sentences on a familiar topic

To write about my family

**RHE**

How to recognise personal qualities and individuality

To identifying positive things about themselves and their achievements

How their personal attributes, strengths, skills and interests contribute to their self-esteem

How to set goals for themselves

How to manage when there are set-backs, learn from mistakes and reframe unhelpful thinking

**PE- Swimming/Athletics**

**Computing**

Recognise acceptable and unacceptable behaviour using technology

Give an ‘on-screen’ robot specific instructions that takes them from A to B

Make an accurate prediction and explain why they believe something will happen (linked to programming)

**Design Technology**

Use our knowledge of electrical circuits to design and make a ‘light up’ product for the festive season.

**Science**

Identify and name appliances that require electricity to function

Construct a series circuit

Identify and name the components in a series circuit (including cells, wires, bulbs, switches and buzzers)

Predict and test whether a lamp will light within a circuit

Know the difference between a conductor and an insulator; giving examples of each

**RE**

Give examples of rules for living from religions and suggest ways in which they might help believers with difficult decisions (B1).

Make connections between stories of temptation and why people can find it difficult to be good (A2).

Discuss their own and others’ ideas about how people decide right and wrong (C3).

**Geography- Rivers**

Know where the main rivers and physical features are in the UK

Be aware of the world’s longest rivers

Identify rivers on an atlas

**Music**

Sing songs from memory with accurate pitch

Use notation to record compositions in a small group of individually

Explain why silence is often needed in music and explain what effect it has

Use notation to record and interpret sequences of pitches

Identify and describe the different purposes of music